

wherein the polymer particles comprise a substantially random interpolymer comprising:

(1) polymer units derived from:

- (i) at least one vinyl or vinylidene aromatic monomer; or
- (ii) a combination of at least one vinyl or vinylidene aromatic monomer and at least one sterically hindered aliphatic or cycloaliphatic vinyl or vinylidene monomer; and

(2) polymer units derived from at least one

- (i) ethylene; or
- (ii) aliphatic alpha-olefin monomer having from 3 to 20 carbon atoms.

Applicants request the amendment of Claims 44-48 so that they depend from Claim 41 instead of the cancelled claim 42. Therefore, please amend Claims 44-48 as follows:

44. (amended) The composition of Claim [42] 41 wherein the interpolymer comprises:

- (a) polymer units derived from one or more vinyl aromatic monomers and polymer units derived from ethylene;
- (b) polymer units derived from one or more vinyl aromatic monomers and polymer units derived from ethylene and one or more C₃ or C₂₀ alpha-olefins;
- or
- (c) polymer units derived from one or more vinyl aromatic monomers and polymer units derived from a combination of ethylene and norbornene.

45. (amended) The composition of Claim [42] 41 wherein the vinyl aromatic monomer is styrene.

46. (amended) The composition of Claim [42] 41 wherein the interpolymer is selected from the group consisting of polymer units derived from:

- (a) ethylene and styrene;
- (b) ethylene and propylene and styrene;
- (c) ethylene and butene and styrene;

- (d) ethylene and pentene and styrene;
- (e) ethylene and hexene and styrene; and
- (f) ethylene and octene and styrene.

47. (amended) The composition of Claim [42] 41 wherein the interpolymer comprises from 50 to 97 mole percent of polymer units derived from ethylene based on the total moles of monomer.

48. (twice amended) The composition of Claim [42] 41 wherein the interpolymer comprises from 50 to 97 mole percent of polymer units derived from ethylene based on the total moles of monomer, and polymer units derived from styrene.

A clean version of the claims pending after this amendment are attached at page 4.


CONCLUSION

Applicants request that the Examiner withdraw the rejections. Applicants believe that the claims are in condition for allowance and respectfully request that the Examiner grant such an action. If any questions or issues remain in the resolution of which the Examiner feels will be advanced by a conference with the Applicants' attorney, the Examiner is invited to contact Gregory Porter at 713-951-3318.

A petition for one month extension and the required fee is filed herewith. No additional fees are believed to be currently due. If there are any fees due, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment of fees, to Deposit Account No. 10-0447, reference 43225-44598AUSP(BA1).

Respectfully submitted,

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Gregory Porter
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Date: 4/8/04

Pending Claims:

41. (amended) A composition comprising:

(a) polymer particles having

- (1) a one millimeter penetration temperature of less than about 75 °C as determined by thermal mechanical analysis; or
- (2) an unconfined yield strength of greater than about 15 pounds per square foot (73 kilograms per square meter); or
- (3) both (1) and (2);

(b) an effective amount of anti-blocking agent mechanically adhered to the polymer particles;

wherein the polymer comprises a substantially random interpolymer comprising:

(1) polymer units derived from:

- (i) at least one vinyl or vinylidene aromatic monomer; or
- (ii) a combination of at least one vinyl or vinylidene aromatic monomer and at least one sterically hindered aliphatic or cycloaliphatic vinyl or vinylidene monomer; and

(2) polymer units derived from at least one

- (i) ethylene; or
- (ii) aliphatic alpha-olefin monomer having from 3 to 20 carbon atoms.

42. cancelled

43. cancelled

44. (amended) The composition of Claim 41 wherein the interpolymer comprises:

- (a) polymer units derived from one or more vinyl aromatic monomers and polymer units derived from ethylene;
- (b) polymer units derived from one or more vinyl aromatic monomers and polymer units derived from ethylene and one or more C₃ or C₂₀ alpha-olefins;

or

(c) polymer units derived from one or more vinyl aromatic monomers and polymer units derived from a combination of ethylene and norbornene.

45. (amended) The composition of Claim 41 wherein the vinyl aromatic monomer is styrene.

46. (amended) The composition of Claim 41 wherein the interpolymer is selected from the group consisting of polymer units derived from:

- (a) ethylene and styrene;
- (b) ethylene and propylene and styrene;
- (c) ethylene and butene and styrene;
- (d) ethylene and pentene and styrene;
- (e) ethylene and hexene and styrene; and
- (f) ethylene and octene and styrene.

47. (amended) The composition of Claim 41 wherein the interpolymer comprises from 50 to 97 mole percent of polymer units derived from ethylene based on the total moles of monomer.

48. (Twice Amended) The composition of Claim 41 wherein the interpolymer comprises from 50 to 97 mole percent of polymer units derived from ethylene based on the total moles of monomer, and polymer units derived from styrene.

49. cancelled.

50. cancelled.

51. cancelled.

57. (Original) The composition of Claim 41 wherein the anti-blocking agent comprises from 0.02 to 3 weight percent anti-blocking agent based on the total composition.
58. (Original) The composition of Claim 57 wherein the anti-blocking agent comprises from 0.08 to 1.5 weight percent anti-blocking agent based on the total composition.
59. (Original) The composition of Claim 58 wherein the anti-blocking agent comprises from 0.1 to 0.5 weight percent anti-blocking agent based on the total composition.
60. (Original) The composition of Claim 59 wherein the anti-blocking agent comprises from 0.15 to 0.3 weight percent anti-blocking agent based on the total composition.
61. (Original) The composition of Claim 41 wherein the anti-blocking agent is selected from the group consisting of talc, mica, calcium carbonate, finely divided silica, fumed silica, organic acids, metal organic esters and powdered polymers.
62. (Original) The composition of Claim 41 wherein the anti-blocking agent is talc.
63. (Original) The composition of Claim 41 wherein the anti-blocking agent is calcium stearate.
64. (Original) The composition of Claim 59 wherein the anti-blocking agent is talc.
65. (Original) The composition of Claim 60 wherein the anti-blocking agent is talc.
66. (Original) The composition of Claim 41 wherein the anti-blocking agent is mechanically adhered to the surface of at least about 50 percent of the polymer particles.
67. (Original) The composition of Claim 66 wherein at least about 10 percent of the diameter of an individual anti-blocking agent is embedded into an individual polymer particle.
68. (Original) The composition of Claim 66 wherein up to about 50 percent of the diameter of an individual anti-blocking agent is embedded into an individual polymer particle.

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69. (Original) The composition of Claim 41 wherein the unconfined yield strength of the composition is at least about 20 percent greater than the strength of the same composition without an anti-blocking agent.

72. (Original) A composition comprising:

- (d) a substantially random interpolymer comprised of polymer units derived from ethylene and polymer units derived from styrene;
- (b) from 0.15 to 0.3 weight percent of anti-blocking agent selected from the group consisting of talc and calcium stearate, wherein the anti-blocking agent is mechanically adhered to the interpolymer particles.

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